CLAIMS

Sub. B1

1. A load indicator for an electric motor, comprising a first means (II, IU, CPU) for repeated determination of the motor load, a second means (CPU) for comparing the current motor load, as determined by the first means, with a preset load limit, and a third means (CPU, PP) for indicating that the current motor load exceeds the load limit, characterised by a means (T, CPU) for initiating a presetting of the load limit as the current motor load changed by a predetermined deviation value stored in the load indicator, said initiating means being adapted to be actuated as the motor runs in normal operation.

2. A load indicator as claimed in claim 1, characterised in that the deviation value is stored as a percentage which, multiplied by the nominal power of the motor, yields the actual deviation value.

3. A load indicator as claimed in claim 1, characterised in that the deviation value is stored as a percentage which, multiplied by the current load, yields the actual deviation value.

4. A load indicator as claimed in claim 1, characterised in that deviation value is stored as a fixed value.

5. A load indicator as claimed in Claim 1 ~~any one of claims 1-4~~, characterised in that the initiating means (T, CPU) is adapted to preset two deviation values which represent deviations in the same direction from the motor load in normal operation.

6. A load indicator as claimed in claim 5, characterised by a means (1) for determining the direction of deviation.

7. A load indicator as claimed in Claim 1 ~~any one of claims 1-4~~, characterised in that the initiating means (T, CPU) is adapted to preset two deviation values

which represent deviations in opposite directions from the motor load in normal operation.

obj

8. A load indicator as claimed in Claim 1 ~~any one of claims 1-4~~, c h a r a c t e r i s e d in that the initiating means (T, CPU) is adapted to preset four deviation values, of which two represent different deviations in a first direction from the motor load in normal operation and two represent different deviations in a second direction, opposite to the first direction, from the motor load in normal operation.

9. A load indicator as claimed in Claim 1 ~~any one of claims 1-8~~, c h a r a c t e r i s e d in that the first means (II, IU, CPU) is adapted to determine the current motor load as the supplied power reduced by a value that represents the lost power of the motor.

Current sensor

10. A load indicator as claimed in Claim 1 ~~any one of claims 1-8~~, c h a r a c t e r i s e d in that the first means (II, IU, CPU) is adapted to determine the current motor load as the supplied power.